### PROJECT DESCRIPTION

#### GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE INSTALLATION OF PEDESTRIAN INDICATIONS ACROSS THE NORTH LEG OF U.S. 219 (GARRETT HWY) AND GLENDALE ROAD/COMMERCIAL ENTRANCE IN GARRETT COUNTY. U.S. 219 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

#### INTERSECTION OPERATION

THE INTERSECTION IS OPERATING IN A NEMA FIVE-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH THE U.S. 219 APPROACHES OPERATING CONCURRENTLY AND THE GLENDALE ROAD AND COMMERCIAL ENTRANCE APPROACHES OPERATING CONCURRENTLY.

EXCLUSIVE/PERMISSIVE LEFT-TURN PHASING IS PROVIDED FOR THE SOUTHBOUND U.S. 219 APPROACH.

AN ALTERNATE PEDESTRIAN PHASE WILL BE PROVIDED ACROSS THE NORTH LEG OF U.S. 219.

#### CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER SHALL BE USED.

## MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.

STANDARD NO. MD-104.00 - 104.00-30

STANDARD NO. MD-104.45-01 (RIGHT LANE CLOSURE)

STANDARD NO. MD-104.37-01 (LEFT LANE CLOSURE) STANDARD NO. MD-104.49-01 (SHOULDER WORK)

STANDARD NO. MD-104.38-01 (RIGHT LANE CLOSURE) STANDARD NO. MD-104.43-01 (SHOULDER WORK)

STANDARD NO. MD-104.44-01 (LEFT LANE CLOSURE)

## PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. GEORGE H. SMALL ASSISTANT DISTRICT ENGINEER - TRAFFIC PHONE: (301) 729-8444

MR. JOHN TRUE ASSISTANT DISTRICT ENGINEER - CONSTRUCTION PHONE: (301) 729-8410

MR. LARRY HUMBERTSON DISTRICT UTILITIES ENGINEER PHONE: (301) 729-8439

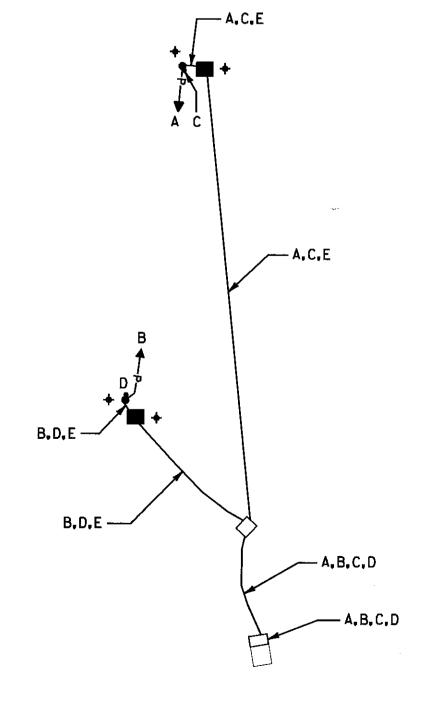
MR. RICHARD L. DAFF. SR. CHIEF. TRAFFIC OPERATIONS DIVISION PHONE: (410) 787-7630

### WIRING DIAGRAM



WIRING KEY

- A 3-CONDUCTOR ELECTRICAL
  B CABLE (NO. 14 A.W.G.)
- C 2-CONDUCTOR ELECTRICAL D CABLE (NO. 14 A.W.G.)
- STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- + 3 IN. X 10 FT. GROUND ROD



### EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.

973023

QUANTITY

12 SF

DESCRIPTION

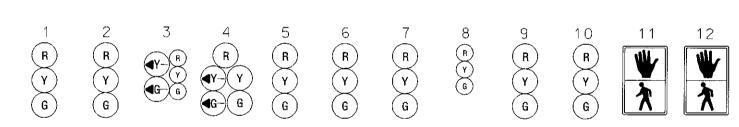
SHEET ALUMINUM SIGNS TO CONSIST OF :

- 1 EACH R10-6 SIGN (36 IN. x 48 IN.) - POLE MOUNTED

# EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

#### PHASE CHART



PHASE 2 + 5	R	R	<b>←</b> G —	<b>←</b> G—	G	R	R	R	R	R	DW	DW	<b>4</b>
2 + 5 CHANGE	R	R	<b>←</b> G —	<b>←</b> G —	G	R	R	R	R	R	DW	DW	<b>_</b>
PHASE 2 + 6	G	G	G	G	G	R	R	R	R	R	DW	DW	± -
2 + 6 CHANGE	Υ	Y	Υ	Υ	Y	R	R	R	R	R	DW	DW	
PHASE 4 + 8	R	R	R	R	R	G	G	G	G	G	DW	DW	1
4 + 8 CHANGE	Ŕ	R	R	R	R	Υ	Υ	Υ	Y	Y	DW	DW	<b>1</b> -,
PHASE 4 + 8 ALT	R	R	R	R	R	G	G	G	G	G	WK	WK	
PED CLEARANCE	R	R	R	R	R	G	G	G	G	G	FL/DW	FL/DW	1
4 + 8 ALT CHANGE	R	R	R	R	R	Υ	Υ	Υ	Υ	Y	DW	DW	<sup>1</sup> ↓
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	<b>→</b>

### EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

CATEGORY CODE	QUANTITY	UNIT	DESCRIPTION					
203030	2	CY	Test Pit Excavation					
801004	2	CY	Furnish and Install Concrete for Signal Foundation					
802501	170	LF	Furnish and Install No. 6 A.W.G. Stranded Bare Copper Ground Wire					
805125	805125 20		Furnish and Install 2 Inch Schedule 80 Rigid PVC Conduit - Trenched					
811001	2	EA	Furnish and Install Electrical Handhole					
813010	1	EA	Band Sign to Sign Support					
818004	2	EA	Furnish and Install Pedestal Pole					
837001	4	EA	Furnish and Install Ground Rod - 3/4 Inch x 10 Foot Length					
860264	4	EA	Furnish and Install 12 Inch Pedestrian Traffic Signal Head Section					
861105	861105 240		Furnish and Install Electrical Cable - 2 Conductor (No. 14 A.W.G.)					
861106	250	LF	Furnish and Install Electrical Cable - 3 Conductor (No. 14 A.W.G.)					
865001	2	EA	Furnish and Install Pushbutton and Sign					
873001	1	EA	Remove and Dispose of Existing Material and Equipment					

LAR84 Whitman. Requardt and Associates. LLP 801 South Caroline Street Baltimore, Maryland 21231

(410) 235-3450

DRAWN BY: B. MARTINE SEE TITLE SHEET HECKED BY: N. LEARY GA6545188 S.H.A. NO.

US 219 (GARRETT HWY) AND GLENDALE ROAD TS-4096A SHEET NO. SCALE: NONE T.I.M.S. NO. GARRETT COUNTY: E351 2l OF 2l 12/3/2002 11021919.56 LOG MILE:

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION SHEET

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

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